

Resource Summary Report

Generated by [NIF](#) on Sep 16, 2026

FVB/N-Tg(MMTV-PyVT)634Mul/J

RRID:IMSR_JAX:002374

Type: Organism

Proper Citation

RRID:IMSR_JAX:002374

Organism Information

URL: <https://www.jax.org/strain/002374>

Proper Citation: RRID:IMSR_JAX:002374

Description: Mus musculus with name FVB/N-Tg(MMTV-PyVT)634Mul/J from IMSR.

Species: Mus musculus

Synonyms: FVB/N-Tg(MMTVPyVT)634Mul/J. MMTV-PyMT

Notes: gene symbol note: Polyoma virus middle T antigen|Mouse Mammary Tumor Virus|transgene insertion 634; William Muller; coisogenic strain|mutant strain: PyVT|MMTV|Tg(MMTV-PyVT)634Mul

Affected Gene: Polyoma virus middle T antigen|Mouse Mammary Tumor Virus|transgene insertion 634; William Muller

Genomic Alteration: transgene insertion 634; William Muller

Catalog Number: JAX:002374

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: FVB/N-Tg(MMTV-PyVT)634Mul/J

Record Creation Time: 20250513T053631+0000

Record Last Update: 20260912T060416+0000

Ratings and Alerts

No rating or validation information has been found for FVB/N-Tg(MMTV-PyVT)634Mul/J.

No alerts have been found for FVB/N-Tg(MMTV-PyVT)634Mul/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 112 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Lim GY, et al. (2026) IFI16/IFI202 blockade suppresses tumor growth through CD8+ T-cell-mediated immunity. Breast cancer research : BCR, 28(1), 27.

Cai P, et al. (2026) The Taurine-Slc6a6 Axis Promotes Breast Cancer Progression by Alleviating Oxidative Stress and Accelerating Cell Cycle Progression. Cells, 15(2).

Kim SS, et al. (2026) Tamoxifen promotes metastasis of breast cancer via reshaping lipid-driven fibrotic microenvironments in the lung. Neoplasia (New York, N.Y.), 73, 101286.

Velazquez-Quesada I, et al. (2026) Sensory neurons inhibit invadopodia and metastasis via direct CGRP-RAMP1-cAMP signaling to cancer cells. bioRxiv : the preprint server for biology.

Hayward MK, et al. (2026) Tissue tension fosters macrophage-driven lipid peroxidation-induced DNA damage. Cancer cell, 44(6), 1255.

Caire R, et al. (2026) A 3D morphogenetic blueprint for metastatic outgrowth in breast cancer. Cell, 189(12), 3701.

Leu JS, et al. (2026) Combined inhibition of S100A4 and TIGIT suppresses late-stage breast cancer metastasis. Cancer letters, 649, 218491.

Lei G, et al. (2026) Cuproptosis-immunity crosstalk informs strategy to overcome immunotherapy resistance. Cell.

Yao B, et al. (2026) Divergent tumor immunity determined by bacteria-cancer cell engagement. Cell, 189(6), 1748.

Berrueta L, et al. (2026) Stretching inhibits tumor growth in MMTV-PYMT via a direct mechanical effect. BMC biology, 24(1).

Chavez B, et al. (2026) Effective treatment of human breast tumors by chimeric CCL2 and CCL8 diphtheria toxin cytotoxic peptides. Cancer biology & therapy, 27(1), 2688479.

Baranowska-Kortylewicz J, et al. (2025) IBCar: Potent Orally Bioavailable Methyl N-[5-(3'-Iodobenzoyl)-1H-Benzimidazol-2-yl]Carbamate for Breast Cancer Therapy. *Cancers*, 17(15).

Roichman A, et al. (2025) Dietary Fiber Lacks a Consistent Effect on Immune Checkpoint Blockade Efficacy Across Diverse Murine Tumor Models. *Cancer research*, 85(17), 3335.

Wei H, et al. (2025) Mogat1 drives metabolic adaptations to evade immune surveillance. *Nature communications*, 16(1), 7035.

Kim N, et al. (2025) 11 β -hydroxyprogesterone dampens lung metastasis via EMT modulation in PyMT-induced breast cancer murine model. *Laboratory animal research*, 41(1), 26.

Barsky SH, et al. (2025) Bone Marrow Origin of Mammary Phagocytic Intraductal Macrophages (Foam Cells). *International journal of molecular sciences*, 26(4).

Xu Q, et al. (2025) Temporal and Spatial Dynamics of Tumor-Host Microbiota in Breast Cancer Progression. *Microorganisms*, 13(7).

Tailor D, et al. (2025) Non-orthosteric inhibition of enolase 1 impedes growth of triple-negative breast cancer. *Cell reports. Medicine*, 6(11), 102451.

Joannes L, et al. (2025) The ADAMTS2 metalloproteinase inhibits tumor growth by regulating the innate immune system. *Cancer cell international*, 25(1), 229.

Thalalla Gamage S, et al. (2025) Transfer RNA acetylation regulates in vivo mammalian stress signaling. *Science advances*, 11(12), eads2923.